



# State of Wisconsin

LEGISLATIVE REFERENCE BUREAU

## **RESEARCH APPENDIX - PLEASE DO NOT REMOVE FROM DRAFTING FILE**

Date Transfer Requested: 01/13/2005 (Per: ARG)



☞ The 2003 drafting file for LRB 03-2470

has been transferred to the drafting file for

## **2005 LRB 05-1463**

☞ This cover sheet, the final request sheet, and the final version of the 2003 draft were copied on yellow paper, and returned to the original 2003 drafting file.

☞ The attached 2003 draft was incorporated into the new 2005 draft listed above. For research purposes, this cover sheet and the complete drafting file were transferred, as a separate appendix, to the 2005 drafting file. If introduced this section will be scanned and added, as a separate appendix, to the electronic drafting file folder.

**2003 DRAFTING REQUEST**

**Bill**

Received: **04/02/2003**

Received By: **agary**

Wanted: **As time permits**

Identical to LRB:

For: **John Ainsworth (608) 266-3097**

By/Representing: **Kristina Boardman (aide)**

This file may be shown to any legislator: **NO**

Drafter: **agary**

May Contact:

Addl. Drafters:

Subject: **Transportation - traffic laws**  
**Transportation - miscellaneous**

Extra Copies: **TNF, PJH, RCT**

Submit via email: **YES**

Requester's email: **Rep.Ainsworth@legis.state.wi.us**

Carbon copy (CC:) to:

---

**Pre Topic:**

No specific pre topic given

---

**Topic:**

Implements of husbandry

---

**Instructions:**

See Attached

---

**Drafting History:**

<u>Vers.</u>	<u>Drafted</u>	<u>Reviewed</u>	<u>Typed</u>	<u>Proofed</u>	<u>Submitted</u>	<u>Jacketed</u>	<u>Required</u>
/?				_____			State
/P1	agary 07/24/2003	csicilia 08/26/2003	rschluet 09/02/2003	_____	sbasford 09/02/2003		State
	agary 08/04/2004	csicilia 09/02/2003		_____			
		csicilia		_____			

08/10/2004 10:12:40 AM

Page 2

<u>Vers.</u>	<u>Drafted</u>	<u>Reviewed</u>	<u>Typed</u>	<u>Proofed</u>	<u>Submitted</u>	<u>Jacketed</u>	<u>Required</u>
--------------	----------------	-----------------	--------------	----------------	------------------	-----------------	-----------------

08/10/2004

\_\_\_\_\_

/P2

rschluet

\_\_\_\_\_

Inorthro

08/10/2004

\_\_\_\_\_

08/10/2004

FE Sent For:

<END>

## 2003 DRAFTING REQUEST

### Bill

Received: **04/02/2003**

Received By: **agary**

Wanted: **As time permits**

Identical to LRB:

For: **John Ainsworth (608) 266-3097**

By/Representing: **Kristina Boardman (aide)**

This file may be shown to any legislator: **NO**

Drafter: **agary**

May Contact:

Addl. Drafters:

Subject: **Transportation - traffic laws**  
**Transportation - miscellaneous**

Extra Copies: **TNF, PJH, RCT**

Submit via email: **YES**

Requester's email: **Rep.Ainsworth@legis.state.wi.us**

Carbon copy (CC:) to:

### Pre Topic:

No specific pre topic given

### Topic:

Implements of husbandry

### Instructions:

See Attached

### Drafting History:

<u>Vers.</u>	<u>Drafted</u>	<u>Reviewed</u>	<u>Typed</u>	<u>Proofed</u>	<u>Submitted</u>	<u>Jacketed</u>	<u>Required</u>
/?							State

/P1	agary 07/24/2003	csicilia 08/26/2003 csicilia 09/02/2003	rschluet 09/02/2003		sbasford 09/02/2003		
-----	---------------------	--	------------------------	--	------------------------	--	--

8 10 4 JF

**2003 DRAFTING REQUEST****Bill**Received: **04/02/2003**Received By: **agary**Wanted: **As time permits**

Identical to LRB:

For: **John Ainsworth (608) 266-3097**By/Representing: **Kristina Boardman (aide)**This file may be shown to any legislator: **NO**Drafter: **agary**

May Contact:

Addl. Drafters:

Subject: **Transportation - traffic laws**  
**Transportation - miscellaneous**Extra Copies: **TNF, PJH, RCT**Submit via email: **YES**Requester's email: **Rep.Ainsworth@legis.state.wi.us**

Carbon copy (CC:) to:

**Pre Topic:**

No specific pre topic given

**Topic:**

Implements of husbandry

**Instructions:**

See Attached

**Drafting History:**

<u>Vers.</u>	<u>Drafted</u>	<u>Reviewed</u>	<u>Typed</u>	<u>Proofed</u>	<u>Submitted</u>	<u>Jacketed</u>	<u>Required</u>
/?							State
/P1	agary 07/24/2003	lrb_editor					

FE Sent For:

/P1 gjs 8/28  
03

&lt;END&gt;

9.2.3

LRB 2470

4/02/03

Meeting with Rep. Ladwig, Rep. Ainsworth, Beata Kalies from Rep. Ott's ofc., and Janine from Rep. Ladwig's office. Want draft along the lines of this model legislation. Thinks there was some legislation on a similar topic last session. Problem is that the lighting set up is too narrow on these pieces of equipment. Implements can be very wide, and lights are too narrow to give notice of the width of the implement when it is dark or getting dark. Thinks Wisconsin only requires reflectors for width, which is not good enough when it is dark or getting dark. Don't worry about capturing everything in model legislation; get major stuff and what is important is that what is in there is standard. Want consistent legislation in all states - WI, IA, MO, IND, MI. Don't worry about towing implements that break down; farmer can park the implement off the roadway if it breaks down. Don't worry about number of receptacles, etc. Can use a rule-making provision; technical requirements can go into the rule-making provision. OK to go up to 12' in width. Look at definition of implement of husbandry; change or add? Farmer can use plug in equipment for \$50-\$60 and can use on multiple pieces of equipment. Rep. Ainsworth will be the requester and Kristina Boardman will be the staff contact person. OK to talk to Joel Riemer in Chicago.

ARG

# **LIGHTING & MARKING MODEL LEGISLATION**

## **Lighting and Marking of Agricultural Equipment on Highways Regulation**

### **TABLE OF CONTENTS**

Section

#### **INTERPRETATION**

- 1 Interpretation

#### **EQUIPMENT REQUIREMENTS**

- 2 Equipment and maintenance

#### **REQUIREMENTS FOR TRACTORS AND SELF-PROPELLED IMPLEMENTS OF HUSBANDRY**

- 3 Application of sections 4 to 9
- 4 Headlamps
- 5 Tail lamps
- 6 Flashing warning lamps
- 7 Turn indicators
- 8 Retroreflective devices
- 9 Seven terminal receptacle
- 10 Application of sections 11 and 12
- 11 Equipment for day-time operation
- 12 Equipment for night-time operation

#### **REQUIREMENTS FOR AGRICULTURAL IMPLEMENTS AND FARMSTEAD EQUIPMENT**

- 13 Application of sections 14 to 18
- 14 Retroreflective devices
- 15 Flashing warning lamps
- 16 Tail lamps
- 17 Turn indicators
- 18 Seven terminal plug
- 19 Application of sections 20 and 21
- 20 Equipment for day-time towing
- 21 Equipment for night-time towing
- 22 Auxiliary lighting

#### **OPERATION**

- 23 Use of lamps
- 24 Use of flood and general service lamps
- 25 Use of slow moving vehicle identification emblem (SMV)
- 26 Escort vehicles during lighting malfunction

#### **MISCELLANEOUS**

- 27 Beacons permitted

## **INTERPRETATION**

### **Interpretation**

**1(1)** In this regulation, reference to a standard by its alphanumeric designation shall be interpreted as referring to the standard, as approved by the American National Standards Institute (ANSI), the American Society of Agricultural Engineers (ASAE) and/or the Society of Automotive Engineers (SAE), as follows:

Designation	Standard
ASAE S276	ANSI/ASAE S276.5 MAY98 Slow-Moving Vehicle Identification Emblem
ASAE S279	ANSI/ASAE S279.12 DEC02 Lighting and Marking of Agricultural Equipment on Highways
ASAE S390	ASAE S390.3 JUN01 Definitions and Classifications of Agricultural Equipment
SAE J560	SAE J560 JUL98 Seven Conductor Electrical Connector for Truck-Trailer Jumper Cable
SAE J585	SAE J585 DEC94 Tail Lamps (Rear Position Lamps) for use on Motor Vehicles Less Than 2032 mm in Overall Width
SAE J588	SAE J588 DEC94 Turn Signal Lamps for use on Motor Vehicles Less Than 2032 mm in Overall Width
SAE J594	SAE J594 JUL95 Reflex Reflectors
SAE J974	SAE J974 JUN93 Flashing Warning Lamp for Agricultural Equipment
SAE J975	SAE J975 JUN93 Headlamps for Agricultural Equipment
SAE J2040	SAE J2040 APR99 Tail Lamps (Rear Position Lamps) for use on Vehicles 2030 mm or More in Overall Width
SAE J2261	SAE J2261 MAR96 Stop Lamps and Front- and Rear-Turn Signal Lamps for use on Motor Vehicles 2032 mm or More in Overall Width

**1(2) In this regulation,**

Definitions of agricultural equipment are as specified in ASAE S390

**"agricultural implement"** means a machine that is designed to perform agricultural operations (not self-propelled).

**"beacon"** means an amber oscillating or rotating lamp.

**"day-time"** means the period that starts immediately following ½ hour after sunrise and ends immediately before ½ hour before sunset.



**"farmstead equipment"** means equipment, other than agricultural field equipment, used in agricultural operations for the production of food and fiber (examples include livestock feeding systems, livestock watering and waste handling systems, crop dryers, milling systems, material handling equipment, etc.).

**"night-time"** means the period that starts ½ hour before sunset and ends ½ hour after sunrise.

**"slow moving vehicle identification emblem (SMV)"** means a slow moving vehicle identification emblem as described in American National Standard ANSI/ASAE S276.5 MAY98 (*Slow Moving Vehicle Identification Emblem*) as amended from time to time.

**"towing machine"** means a tractor, self-propelled machine, implement of husbandry or motor vehicle.

**"width"** means the widest measurement of the equipment in the highway transport configuration. The width includes such items as dual wheels, wide axles, headers, etc., but excludes rear-view mirrors and warning lamps.

**1(3)** In this regulation, the left and right sides of a tractor, self-propelled implement of husbandry, agricultural implement or farmstead equipment are determined from the rear of the machine facing in the direction of forward movement.

**1(4)** This regulation will apply to agricultural equipment manufactured one (1) year after the measure is enacted into law. Agricultural equipment with lighting and marking that meets the requirements of any subsequent revision(s) of ASAE S279 shall also be deemed to satisfy the requirements of this regulation.

**1(5)** For the purpose of subsection (3), the definitions of "tractor", "self-propelled implement of husbandry" and "agricultural implement" applicable in this regulation have the same meaning respectively as "agricultural tractor", "self-propelled machine" and "agricultural implement" in ASAE S279.

## **EQUIPMENT REQUIREMENTS**

### **Equipment and maintenance**

**2** Except in the case of equipment malfunctions, as covered in section 26, no person shall

- (a) operate a tractor or self-propelled implement of husbandry or tow an agricultural implement or farmstead equipment; or
- (b) permit another person to operate a tractor or self-propelled implement of husbandry or tow an agricultural implement or farmstead equipment;

on a highway unless it is equipped as required under this regulation and the required equipment is in good working order.

## **REQUIREMENTS FOR TRACTORS AND SELF-PROPELLED IMPLEMENTS OF HUSBANDRY**

### **Application of sections 4 to 9**

**3** Sections 4 to 9 apply to tractors and self-propelled implements of husbandry

### **Headlamps**

**4** A tractor or self-propelled implement of husbandry shall be equipped with at least two headlamps that

- (a) substantially conform to SAE J975;

(b) emit a white light; and

(c) are mounted so as to provide general illumination ahead of the vehicle and at the same height and are spaced laterally as widely as practicable. Headlamps or the low beams of headlamps, if so equipped, shall be aligned such that measured at 7.6 m (25 ft.) from the lamp, the horizontal line separating the upper edge of the lighted zone (line at which the intensity is decreased to 10% or less of the peak intensity) is  $0.1 \times H$  minimum below the center of the lamp, where H is the height of the lamp from the ground. The headlamp beams shall be centered laterally.

#### **Tail lamps**

**5(1)** A tractor or self-propelled implement of husbandry shall be equipped with two tail lamps.

**5(2)** A tail lamp on a tractor or self-propelled implement of husbandry shall

(a) conform to SAE J2040, or to SAE J585 if the machine width is less than 2 m (6.7 ft.);

(b) emit a red light;

(c) be mounted to the rear and facing rearward; and

(d) be symmetrically mounted and positioned as widely spaced laterally as practicable but no greater than 1.5 m (5 ft.) to the left and right of the machine center and between 1 and 3 m (3.3 and 10 ft.) from the ground.

#### **Warning lamps**

**6** A tractor or self-propelled implement of husbandry shall be equipped with at least two warning lamps that

(a) conform to SAE J974;

(b) emit an amber light;

(c) flash in unison at not less than 60 and not more than 85 flashes per minute;

(d) are mounted so as to be visible from both the front and the rear;

(e) are mounted so that

(i) two of the lamps are as widely spaced laterally as practicable and all of the lamps are as symmetrical as practicable, and

(ii) they are not less than 1 m (39 in.) and not more than 3.7 m (12 ft.) from the ground; and,

(f) in the case of a tractor or self-propelled implement of husbandry that is more than 3.7 m (12 ft.) wide, are mounted so that a warning lamp is not more than 400 mm (16 in.) from each of the lateral extremities of the tractor or self-propelled implement of husbandry.

#### **Turn indicators**

**7** A tractor or self-propelled implement of husbandry shall be equipped with turn indicators to the right and left, such that:

(a) when a turn is signaled, the amber warning lamp(s) opposite the direction of the turn shall be steady burning (without flashing); and

(b) despite clause 6(c), the rate of flashing of the amber warning lamp(s) signalling the direction of the turn shall increase by not less than 20 flashes per minute to a rate of not more than 110 flashes per minute.

(c) An additional rear-facing red or amber lamp conforming to SAE J2261 symmetrically mounted and positioned as widely spaced laterally as practicable but no greater than 1.5 m (5 ft.) to the left and right of the machine center and between 1 and 3.7 m (3.3 and 12 ft.) from the ground shall flash in the direction of turn and in unison with the amber warning lamp(s), except that

(i) on machines less than 2 m (6.7 ft.) in overall width, the additional rear facing red or amber lamps may conform to SAE J588.

The additional lamp on the side opposite the direction of the turn may remain off, or on, or become brighter, but shall not flash.

#### **Retroreflective devices**

**8(1)** A tractor or self-propelled implement of husbandry shall be equipped with two red retroreflective devices visible to the rear and mounted to indicate, as nearly as practicable, the extreme left and extreme right projections of the tractor or self-propelled implement of husbandry. Such retroreflective devices shall:

- (a) conform to the requirements of SAE J594; or
- (b) consist of retroreflective material that conforms to the requirements of ASAE S279 clause 3.3.1 and,
- (c) may be incorporated as part of the lens of tail lamps; or
- (d) may be incorporated as part of the conspicuity material described in 8(2)(a).

**8(2)** On machines over 3.7 m (12 ft.) wide, conspicuity material shall be provided which is visible from the front and rear of the unit with the following requirements:

(a) The conspicuity material visible to the rear shall be at least two strips of red retroreflective material that conform to the requirements of ASAE S279.11 clause 3.3.1 and at least two strips of non-reflective red-orange fluorescent material that conform to the requirements of ASAE S279.11 clause 3.6. The strips of retroreflective and fluorescent material shall be as horizontal as practicable and in line as practicable. The horizontal distance between adjacent strips of retroreflective material shall not exceed 1.8 m (6 ft.). The horizontal distance between adjacent strips of fluorescent material shall not exceed 1.8 m (6 ft.). The retroreflective and fluorescent material on the slow moving vehicle identification emblem (SMV) may be included to meet these requirements. The outer edge of the outermost strips of retroreflective material shall be within 400 mm (16 in.) of the left and right extremities of the machine and the strips shall be as evenly spaced as practicable. The outer edge of the outermost strips of fluorescent material shall be within 635 mm (25 in.) of the left and right extremities of the machine and the strips shall be as evenly spaced as practicable.

(b) The conspicuity material visible to the front shall be at least two strips of yellow retroreflective material that conform to the requirements of ASAE S279.11 clause 3.3.1. The outer edge of the outermost strips shall be within 400 mm (16 in.) of the left and right extremities of the machine.

#### **Seven-terminal receptacle**

**9(1)** A tractor or self-propelled implement of husbandry that is designed to tow, or is towing an agricultural implement that requires lighting devices as proscribed in sections 15, 16 and/or 17 of this regulation shall be equipped with one seven-terminal receptacle conforming to SAE

J560 mounted immediately behind the rear axle and as near as practicable to the center line of the tractor or self-propelled implement of husbandry.

**9(2)** At a minimum, receptacle terminal numbers 1 (ground), 3 (left warning lamp and turn indicator), 5 (right warning lamp and turn indicator) and 6 (tail lamps) shall be wired for service.

#### **Application of sections 11 and 12**

**10** Sections 11 and 12 apply to tractors and self-propelled implements of husbandry

#### **Equipment for day-time operation**

**11** When a tractor or self-propelled implement of husbandry is operated during day-time other than when there is insufficient light to render a person clearly discernible on a highway at a distance of 60 m (195 ft.), it shall

(a) be equipped with retroreflective devices as required under section 8(1) and, for equipment wider than 3.7 m (12 ft.), as required under section 8(2) except that the conspicuity material may be mounted so as to indicate as nearly as practicable the extreme right and extreme left projections of the tractor or self-propelled implement of husbandry; and

(b) if the tractor or self-propelled implement of husbandry is more than 3.7 m (12 ft.) wide, be equipped either

(i) with flashing warning lamps as required under clauses 6 (a), (b), (d), (e) and (f), or

(ii) with a fluorescent flag of not less than 0.2 m<sup>2</sup> (320 sq. in.) on each of its lateral extremities displayed in such a manner that its full area is visible to the driver of a tractor, self-propelled implement of husbandry or other motor vehicle approaching from the front or rear.

#### **Equipment for night-time operation**

**12** When a tractor or self-propelled implement of husbandry is operated during night-time or when there is insufficient light to render a person clearly discernible on a highway at a distance of 60 m (195 ft.), it shall be equipped with

(a) at least two headlamps that

(i) generally conform to SAE J975;

(ii) emit a white light; and

(iii) are mounted so as to provide general illumination ahead of the vehicle and at the same height and are spaced laterally as widely as practicable; and

(b) at least one tail lamp which meets the requirements of clauses 5(2) a, b, and c, mounted less than 1.5 m (5 ft.) to the left of the machine center and between 1 and 3 m (3.3 and 10 ft.) high; and

(c) warning lamps as required under clauses 6(a), (b), (d), (e) and (f); and

(d) retroreflective devices as required under section 8.

## **REQUIREMENTS FOR AGRICULTURAL IMPLEMENTS AND FARMSTEAD EQUIPMENT**

### **Application of sections 14 to 18**

**13** Sections 14 to 18 apply to agricultural implements.

### **Retroreflective devices**

**14(1)** An agricultural implement that extends more than 1.2 m (4 ft.) to the left of the centre of the towing machine shall be equipped with at least one strip of yellow retroreflective material that

(a) meets the requirements of clause 3.3.1 of ASAE S279;

(b) is visible to the front; and

(c) is mounted so as to indicate, as nearly as practicable, the extreme left projection of the agricultural implement.

**14(2)** An agricultural implement that extends more than 1.2 m (4 ft.) to the right or left of the centerline of the towing machine shall be equipped with at least two red retroreflective devices that

(a) meet the requirements of section 3.3 of ASAE S279;

(b) are visible to the rear; and

(c) are mounted so as to indicate, as nearly as practicable, the extreme left and right projections of the agricultural implement.

**14(3)** An agricultural implement that is more than 3.7 m (12 ft.) wide or extends more than 1.8 m (6 ft.) to the right or left of the centerline and is mounted and/or towed to the rear of the towing machine shall be equipped with conspicuity material as required in clause 8(2).

**14(4)** An agricultural implement that is more than 3.7 m (12 ft.) wide or extends more than 1.8 m (6 ft.) to right or left of the centerline and is mounted to the front of the towing machine shall be equipped with conspicuity material as required in clause 8.2, excepting that no conspicuity material is necessary on the rear of the equipment for a horizontal distance of 1.2 m (4 ft.) on either side of the towing machine centerline.

**14(5)** An agricultural implement that extends more than 1.2 m (4 ft.) to the rear of the hitch point of the towing machine shall be equipped with at least two red retroreflective devices that

(a) meet the requirements of clause 3.3 of ASAE S279;

(b) are visible to the rear; and

(c) are mounted to indicate, as nearly as practicable, the extreme left and extreme right projections of the agricultural implement.

**14(6)** An agricultural implement including combinations of towed equipment that are hitched together that extend more than 5.0 m (16.4 ft.) to the rear of the towing machine hitch point shall be equipped with

(a) at least one unobscured slow moving vehicle identification emblem (SMV) per ANSI/ASAE S276; and

(b) strips of yellow retroreflective material that;

(i) meet the requirements of clause 3.3.1 of ASAE S279;

(ii) are visible from the left and right sides;

(iii) are spaced at intervals of 5 m (16.4 ft.) maximum on both sides measuring from the hitch point; and

(iv) have the rear most retroreflective devices positioned as far rearward as practicable.

**Warning lamps required under certain conditions**

**15(1)** This section applies to an agricultural implement that

(a) obscures the effective illumination of any flashing warning lamp or extremity lamp on the towing machine; or

(b) is more than 3.7 m (12 ft.) wide or extends more than 1.8 m (6 ft.) to the left or right of the centerline of the towing machine and the width or extension extends beyond the left or right extremity of the towing machine; or

(c) extends more than 7.6 m (25 ft.) behind the hitch point of the towing machine.

**15(2)** An agricultural implement as described in section 15(1) shall be equipped with at least two warning lamps that

(a) conform to SAE J974;

(b) emit an amber light;

(c) flash in unison at not less than 60 and not more than 85 flashes per minute and do so in unison with the warning lamps on the towing machine, as described in section 6;

(d) are mounted so as to be visible from both the front and the rear, excepting those required under clause 15(1)(a) need only be visible from the direction that the visibility of the warning lamp(s) of the towing machine is impaired; and

(e) are mounted so that

(i) two of the lamps are spaced laterally not more than 400 mm (16 in.) from each of the lateral extremities of the agricultural implement when the overall width exceeds 3.7 m (12 ft.), or symmetrically mounted and as widely spaced laterally as practicable for an agricultural implement that is 3.7 m (12 ft.) or less in overall width, and

(ii) the lamps are not less than 1 m (39 in.) and not more than 3.7 m (12 ft.) from the ground.

**15(3)** A non-symmetrical agricultural implement extending only to the left or right which obscures one flashing warning lamp of the towing machine, shall be equipped with one warning lamp that

(a) meets the requirements of clauses of 15(2)(a), (b), (c) and (d); and

(b) is mounted not more the 400 mm (16 in.) from the lateral extremity of the agricultural implement and between 1 and 3.7 m (3.3 and 12 ft.) from the ground.

**Tail lamps required under certain conditions**

**16(1)** This section applies to an agricultural implement that

- (a) obscures the effective illumination of any tail lamp of the towing machine; or
- (b) is more than 3.7 m (12 ft.) wide or extends more than 1.8 m (6 ft.) to the left or right of the centre line of the towing machine and the width or extension extends beyond the left or right extremity of the towing machine; or
- (c) extends more than 7.6 m (25 ft.) behind the hitch point of the towing machine.

**16(2)** An agricultural implement as described in section 16(1) shall be equipped with two tail lamps that

- (a) conform to SAE J2040, or to SAE J585 if the agricultural implement width is less than 2 m (6.7 ft.);
- (b) emit a red light;
- (c) are mounted as close to the rear as practicable and facing rearward;
- (d) are symmetrically mounted and positioned between 0.6 and 1.5 m (2 and 5 ft.) to the left and right of the machine center, excepting that on an agricultural implement that does not obscure the tail lamps of the towing machine, the tail lamps on the agricultural implement may be positioned more than 1.5 m (5 ft.) to the left and right of the machine center; and
- (e) are mounted between 1 and 3 m (3.3 and 10 ft.) from the ground.

**16(3)** An agricultural implement that is less than 1.2 m (4 ft.) wide at the rearmost part of the equipment shall be equipped with at least one tail lamp that

- (a) meets the requirements of clauses 16(2)(a), (b), (c), and (e).

**Turn indicators**

**17** An agricultural implement that requires warning lamps under section 15, shall be equipped with turn indicators such that, when a turn is signalled,

- (a) the warning lamp(s) opposite the direction of the turn shall become steady burning (without flashing); and
- (b) despite clause 15(2) (c), the rate of flashing of the amber warning lamp(s) signalling the direction of the turn shall increase by not less than 20 flashes per minute to a rate of not more than 110 flashes per minute.
- (c) An additional rear-facing red or amber lamp conforming to SAE J2261 symmetrically mounted and positioned between 0.6 and 1.5 m (2 and 5 ft.) to the left and right of the machine center and between 1 and 3.7 m (3.3 and 12 ft.) from the ground shall flash in the direction of turn and in unison with the amber warning lamp(s), except that
  - (i) on machines less than 2 m (6.7 ft.) in overall width, the additional rear facing red or amber lamps may conform to SAE J588 may be used, positioned as widely spaced laterally as practicable and between 1 and 3.7 m (3.3 and 12 ft.) high.

The additional lamp on the side opposite the direction of the turn may remain off, or on, or become brighter, but shall not flash.

### **Seven-terminal plugs**

**18(1)** An agricultural implement that is required to be equipped with lamps under section 15, 16 or 17 shall be equipped with one seven-terminal plug conforming to SAE J560 located so that it can be readily connected to the seven-terminal receptacle of the towing machine.

**18(2)** At a minimum, receptacle terminal numbers 1 (ground), 3 (left warning lamp and turn indicator), 5 (right warning lamp and turn indicator) and 6 (tail lamps) shall be wired for service.

### **Application of sections 20 and 21**

**19** Sections 20 and 21 apply

- (a) to agricultural implements when towed by a towing machine; and
- (b) to farmstead equipment when it is towed by a towing machine.

### **Equipment for day-time towing**

**20(1)** When an agricultural implement or farmstead equipment is towed by a towing machine during day-time other than when there is insufficient light to render a person clearly discernible on a highway at a distance of 60 m (195 ft.), it shall be equipped in one of the following ways:

- (a) as required under sections 14 to 18; or
- (b) as required under subsections 14(1), 14(2), 14(5) and 14(6) (retroreflective devices) and, when the agricultural implement or farmstead equipment
  - (i) is more than 3.7 m (12 ft.) wide or extends more than 1.8 m (6 ft.) to the left or right of the centre line of the towing machine and the width or extension extends beyond the left or right extremity of the towing machine, or
  - (ii) extends more than 7.6m (25 ft.) behind the hitch point of the towing machine,

it shall have fixed or moveable auxiliary lamps that meet the requirements for warning lamps set out in clauses 15(2)(a), (b), (d) and (e) on each of its lateral extremities or, if the agricultural implement or farmstead equipment is non-symmetrical, it shall have a fixed or moveable auxiliary lamp that meets the requirements of subsection 15(3), except the auxiliary lamp need not flash in unison with the warning lamps on the towing machine; or

(c) as required under subsections 14(1), 14(2), 14(5) and 14(6) (retroreflective devices) and, when the agricultural implement or farmstead equipment

- (i) is more than 3.7 m (12 ft.) wide or extends more than 1.8 m (6 ft.) to the left or right of the centre line of the towing machine and the width or extension extends beyond the left or right extremity of the towing machine, or
- (ii) extends more than 7.6 m (25 ft.) behind the hitch point of the towing machine;

it shall on each of its lateral extremities display a fluorescent flag of not less than 0.2 m<sup>2</sup> (320 sq. in.) in such a manner that its full area is visible to the driver of a tractor, self-propelled implement of husbandry or other motor vehicle approaching from the front or rear;

### **Equipment for night-time towing**

**21(1)** When an agricultural implement or farmstead equipment is towed by a towing machine during night-time or when there is insufficient light to render a person clearly discernible on a highway at a distance of 60 m (195 ft), it shall be equipped in one of the following ways:

- (a) as required under sections 14 to 18; or



(b) as required under section 14 (retroreflective devices) and,

(i) when the agricultural implement or farmstead equipment

(A) impairs the visibility of any flashing warning lamp of the towing machine, or

(B) is more than 3.7 m (12 ft.) wide or extends more than 1.8 m (6 ft.) to the left or right of the centre line of the towing machine and the width or extension extends beyond the left or right extremity of the towing machine, or

(C) extends more than 7.6 m (25 ft.) behind the hitch point of the towing machine,

it shall have fixed or moveable auxiliary lamps that meet the requirements for flashing warning lamps set out in clauses 15(2)(a), (b), (d) and (e) on each of its lateral extremities or, if the agricultural implement or farmstead equipment is non-symmetrical, it shall have a fixed or moveable auxiliary lamp that meets the requirements of subsection 15(3), except the auxiliary lamp need not flash in unison with the warning lamps on the towing machine; and

(ii) when the agricultural implement or farmstead equipment impairs the visibility of any tail lamp of the towing machine, the implement shall be equipped with at least one fixed or moveable tail lamp that meets the requirements of 16(2) a, b, c and mounted less than 1.5 m (5 ft.) to the left of the machine center, and between 1 and 3 m (3.3 and 10 ft.) from the ground.

#### **Auxiliary lighting for night-time towing of certain implements**

**22(1)** This section applies to agricultural implements that are towed during night-time by a towing machine that is not equipped so as to activate the lamps described in sections 15, 16 and 17.

**22(2)** An agricultural implement shall, in addition to the equipment required under sections 14 to 18, be equipped with the following:

(a) when the agricultural implement

(i) impairs the visibility of any warning lamp of the towing machine,

(ii) is more than 3.7 m (12 ft.) wide or extends more than 1.8 m (6 ft.) to the left or right of the centre line of the towing machine and the width or extension extends beyond the left or right extremity of the towing machine, or

(iii) extends more than 7.6 m (25 ft.) behind the hitch point of the towing machine,

it shall be equipped with fixed or moveable auxiliary lamps that meet the requirements for warning lamps set out in clauses 15(2)(a), (b), (d) and (e) on each of its lateral extremities or, if the agricultural implement is non-symmetrical, a fixed or moveable auxiliary lamp that meets the requirements of subsection 15(3);

(b) when the agricultural implement impairs the visibility of any tail lamp of the towing machine, it shall be equipped with fixed or moveable auxiliary lamps that meet the requirements for tail lamps set out in section 16.

### **Use of lamps**

**23** Subject to section 26, no person shall operate, or permit another person to operate, a tractor or self-propelled implement of husbandry or tow an agricultural implement or farmstead equipment with a towing machine on a highway during night-time, or when there is insufficient light to render a person clearly discernible on the highway at a distance of 60 m (195 ft.), unless all the lamps with which the tractor, self-propelled implement of husbandry, agricultural implement or farmstead equipment is required to be equipped under this regulation are alight.

### **Use of flood lamps and general service lamps**

**24** No person shall operate, or permit another person to operate, on a highway a tractor or self-propelled implement of husbandry that has any flood lamp or general service lamp alight unless the lamp is aimed straight downward or downward and forward so as to illuminate the highway close to the tractor or self-propelled implement of husbandry. Work lamps or general service lamps projecting to the rear shall not be illuminated during highway travel.

### **Use of slow moving vehicle identification emblem (SMV)**

**25(1)** No person shall operate, or permit another person to operate, a tractor or self-propelled implement of husbandry or tow an agricultural implement or farmstead equipment with a towing machine on a highway unless the tractor, the self-propelled implement of husbandry or towed agricultural implement or farmstead equipment is equipped as required under this section.

**25(2)** A tractor or self-propelled implement of husbandry that is not towing an agricultural implement or farmstead equipment or another vehicle on a highway shall be equipped with a slow moving vehicle identification emblem (SMV) mounted securely and so as to be clearly visible to a person in a vehicle approaching from the rear.

**25(3)** When a tractor or self-propelled implement of husbandry is towing on a highway an agricultural implement or farmstead equipment that

(a) impairs the visibility of the slow moving vehicle identification emblem (SMV) mounted on the tractor or self-propelled implement of husbandry; or

(b) extends more than 7.6 m (25 ft.) behind the hitch point of the tractor or self-propelled implement of husbandry;

the agricultural implement or farmstead equipment shall be equipped with a slow moving vehicle identification emblem (SMV) mounted so as to be clearly visible to a person in a vehicle approaching from the rear.

**25(4)** When a motor vehicle is towing a tractor, self-propelled implement of husbandry, agricultural implement or farmstead equipment, the tractor, self-propelled implement of husbandry, agricultural implement or farmstead equipment shall

(a) be equipped with a slow moving vehicle identification emblem (SMV) mounted so as to be clearly visible to a person in a vehicle approaching from the rear, and

b) be towed at a speed less than 40 km/hr (25 mph).

### **Escort vehicles during lighting malfunction**

**26(1)** In this section, "escort vehicle" means

(a) a tractor; or

(b) a motor vehicle other than a motorcycle, moped or a mobility vehicle.

↓  
**26(2)** If on a highway there is a malfunction of the lamps with which a tractor, self-propelled implement of husbandry, agricultural implement or farmstead equipment is required to be equipped under this regulation, the person operating the tractor or self-propelled implement of husbandry or towing the agricultural implement or farmstead equipment is not required to comply with this regulation during the time reasonably necessary to move it to the nearest place where it can be repaired if, during the time it is being moved, it is accompanied by two escort vehicles that meet all the following requirements:

(a) one escort vehicle travels not more than 90 m (295 ft.) ahead of, and one travels not more than 90 m (295 ft.) behind, the tractor, self-propelled implement of husbandry, agricultural implement or farmstead equipment;

(b) all the front and rear emergency lamps, commonly known as hazard warning lamps on the escort vehicles are alight;

(c) the beacon is alight on any escort vehicle equipped with a beacon.

### **MISCELLANEOUS**

#### **Beacons permitted**

**27** A tractor or a self-propelled implement of husbandry may be equipped with a beacon as a supplement to, but not in lieu of lamps otherwise required in this regulation.



ASSOCIATION OF  
EQUIPMENT  
MANUFACTURERS

SERVING MANUFACTURERS OF CONSTRUCTION,  
AGRICULTURAL, FORESTRY, MATERIALS HANDLING,  
MINING AND UTILITY EQUIPMENT, AND INDUSTRY-RELATED SERVICE PROVIDERS.

March 7, 2003

Representative Alvin Ott  
Room 318 North  
State Capitol  
P.O. Box 8953  
Madison 53707-7882

MAR 10 2003

The Honorable Representative Ott,

The Association of Equipment Manufacturers (AEM) is an international trade and business development resource for companies that manufacture equipment, products and services used worldwide in the construction, agricultural, mining, forestry, and utility industries. AEM has over 700 member companies who manufacture a wide variety of equipment, from large earthmovers and agricultural equipment to small hand-held, portable and walk-behind machinery.

As urban populations continue to encroach on the rural landscape, agricultural equipment is forced to share the road with more and more vehicles. The equipment manufacturing industry has addressed this issue of general safety by making its products visible to the general public. Current statutes which apply to the lighting and marking of agricultural equipment vary widely from state to state, not to mention that many are severely outdated. This lack of conformity could potentially hinder the sale of various types of agricultural equipment from state to state as well as affect farmers who operate on or near state borders.

On behalf of our members I present you with model legislation for the lighting and marking of agricultural equipment during operation on public roads. Legislation based on this model bill was signed into law in the states of Illinois (1999) and Ohio (2000). While this is indeed a step in the right direction, it is the goal of AEM's members that similar legislation be adopted in all the states thus breaking down barriers to commerce while promoting safety by improving visibility of equipment.

The enclosed model legislation references standards developed by the American Society of Agricultural Engineers (ASAE) which is comprised of input from academia, industry and public service officials. The standards laid out by the ASAE, and included in the bill, have been formulated with the safety of the general public and operators of equipment in mind. The equipment manufacturing industry has recognized the importance of these safety measures and is currently in compliance with these voluntary standards. Since the model legislation would apply only to agricultural equipment manufactured one year after the measure is enacted, there should be no adverse effects of this legislation to the agricultural sector. Equipment in compliance with the standards referenced in the enclosed model bill will be highly visible to the general driving public, therefore promoting safety on public roads.

If you have any questions, please feel free to contact me at AEM. I look forward to working with you on this matter to support safety and commerce within the agricultural sector and the state.

Sincerely,

Joel Riemer  
State Legislative Affairs Coordinator  
AEM

Enclosed.

10 South Riverside Plaza  
Suite 1220  
Chicago, IL 60606-3711  
tel: 312.321.1470  
fax: 312.321.1480

111 East Wisconsin Avenue  
Suite 1000  
Milwaukee, WI 53202-4806  
tel: 414.272.0943  
fax: 414.272.1170

## Gary, Aaron

---

**From:** Boardman, Kristina  
**Sent:** Wednesday, May 14, 2003 4:14 PM  
**To:** Gary, Aaron  
**Cc:** Rep.Ott; Kalies, Beata; Rep.Ladwig; Hale, Janine; Sen.Stepp  
**Subject:** RE: Lighting and Marking Model Legislation

Aaron:

I have just a couple of additional follow-up suggestions:

1) According to AEM, sections 10, 11, 12, 19, 20, and 21 of the model legislation reference existing equipment. While members would like to retain these sections - should they be clarified as applying to existing equipment (equipment manufactured before a specific date)?

2) According to AEM, section 26 (2) addresses the situation of a total lighting system failure. Instead of "malfunction of the lamps" - perhaps this language should be clarified to more clearly represent the legislative intent.

If you have any questions - please let me know.

Thank you Aaron.

*Kristina Boardman*

*Representative Ainsworth's Office*

608.266.3097

-----Original Message-----

**From:** Boardman, Kristina  
**Sent:** Tuesday, May 13, 2003 2:37 PM  
**To:** Gary, Aaron  
**Cc:** Rep.Ott; Kalies, Beata; Rep.Ladwig; Hale, Janine; Sen.Stepp  
**Subject:** Lighting and Marking Model Legislation

Aaron:

In early April, you sat down with Representatives Ott, Ainsworth and Ladwig regarding some model legislation forwarded by the Association of Equipment Manufacturers (AEM). This legislation specified lighting and marking of agricultural equipment when operated on highways.

Since this meeting - the legislative working group has received input from Dr. Mark Purschwitz, Associate Professor and Extension Agricultural Safety and Health Specialist. This input was forwarded to AEM - and based on these discussions, we would like to make a few minor technical changes to the draft.

Knowing that you have a copy of the "model legislation", I would like to request the following amendments - based on that original document.

**Section 1 (2)**

Amend the definition of "day-time" to 1/2 hour BEFORE sunrise and 1/2 hour AFTER sunset.  
(Thus consistent with current law.)

Amend the definition of "night-time" to 1/2 hour AFTER sunset and 1/2 hour BEFORE sunrise.  
(Thus consistent with current law.)

"Implement of husbandry" is not defined for the purposes of this section. Provide a cross-reference of 340.01 (24) for the purposes of this section.

#### **Section (11)**

"When a tractor or self-propelled implement of husbandry is operated ON PUBLIC ROADS during daytime other than when there is insufficient light to render a person clearly discernible on a highway at a distance of 60 m (195ft), it shall"

In addition to inserting the phrase "on public roads", we would like to amend the "60 m (195 ft.) - so that it is consistent with current law.

Under 347.22 (1), "No person shall operate or park a farm tractor or self-propelled farm implement upon a highway during hours of darkness unless such tractor or implement carries the lighted headlamps and tail lamps which would be required of other motor vehicles under similar circumstances." Therefore - in reviewing the specifications for headlamps on motor vehicles under 347.10 (2) - high beams must illuminate 350 feet ahead of the vehicle, while low beams must illuminate 100 feet ahead.

Can we reference 347.10 (2) for the purposes of this section? Or is there a simpler way of approaching this concern?

This distance amendment would also apply to Section 23.

#### **Section 15 (3) (b)**

"is mounted not more THAN 400 mm (16 in.) from the EXTENDING lateral extremity ..."

#### **Section 26 (2)**

"...it is accompanied by two escort vehicles that meet the following requirements:"

Eliminate the beacon requirement (c).

#### **Section 27**

"A tractor or a self-propelled implement of husbandry may be equipped with a beacon OR AMBER STROBE as a supplement to, but not in lieu of lamps otherwise required in this regulation."

Would we need to reference the amber strobe to 347.23 (4)?

If you have any questions regarding these amendments to the original language provided by AEM, please contact me.

Thank you in advance for your assistance on this topic.

*Kristina Boardman*

*Representative Ainsworth's Office*

608.266.3097

## Gary, Aaron

---

**From:** Boardman, Kristina  
**Sent:** Tuesday, May 13, 2003 2:37 PM  
**To:** Gary, Aaron  
**Cc:** Rep.Ott; Kalies, Beata; Rep.Ladwig; Hale, Janine; Sen.Stepp  
**Subject:** Lighting and Marking Model Legislation

Aaron:

In early April, you sat down with Representatives Ott, Ainsworth and Ladwig regarding some model legislation forwarded by the Association of Equipment Manufacturers (AEM). This legislation specified lighting and marking of agricultural equipment when operated on highways.

Since this meeting - the legislative working group has received input from Dr. Mark Purschwitz, Associate Professor and Extension Agricultural Safety and Health Specialist. This input was forwarded to AEM - and based on these discussions, we would like to make a few minor technical changes to the draft.

Knowing that you have a copy of the "model legislation", I would like to request the following amendments - based on that original document.

### Section 1 (2)

Amend the definition of "day-time" to 1/2 hour BEFORE sunrise and 1/2 hour AFTER sunset.  
(Thus consistent with current law.)

Amend the definition of "night-time" to 1/2 hour AFTER sunset and 1/2 hour BEFORE sunrise.  
(Thus consistent with current law.)

"Implement of husbandry" is not defined for the purposes of this section. Provide a cross-reference of 340.01 (24) for the purposes of this section.

### Section (11)

"When a tractor or self-propelled implement of husbandry is operated ON PUBLIC ROADS during daytime other than when there is insufficient light to render a person clearly discernible on a highway at a distance of 60 m (195ft), it shall"

In addition to inserting the phrase "on public roads", we would like to amend the "60 m (195 ft.) - so that it is consistent with current law.

Under 347.22 (1), "No person shall operate or park a farm tractor or self-propelled farm implement upon a highway during hours of darkness unless such tractor or implement carries the lighted headlamps and tail lamps which would be required of other motor vehicles under similar circumstances." Therefore - in reviewing the specifications for headlamps on motor vehicles under 347.10 (2) - high beams must illuminate 350 feet ahead of the vehicle, while low beams must illuminate 100 feet ahead.

Can we reference 347.10 (2) for the purposes of this section? Or is there a simpler way of approaching this concern?

This distance amendment would also apply to Section 23.

### Section 15 (3) (b)



"is mounted not more THAN 400 mm (16 in.) from the EXTENDING lateral extremity ..."

#### **Section 26 (2)**

"...it is accompanied by two escort vehicles that meet the following requirements:"

Eliminate the beacon requirement (c).

#### **Section 27**

"A tractor or a self-propelled implement of husbandry may be equipped with a beacon OR AMBER STROBE as a supplement to, but not in lieu of lamps otherwise required in this regulation."

Would we need to reference the amber strobe to 347.23 (4)?

If you have any questions regarding these amendments to the original language provided by AEM, please contact me.

Thank you in advance for your assistance on this topic.

*Kristina Boardman*

*Representative Ainsworth's Office*

608.266.3097

**Tradewell, Becky**

---

**From:** Popp, Sarah  
**Sent:** Tuesday, April 01, 2003 4:43 PM  
**To:** Tradewell, Becky; Rep.Ott  
**Subject:** FW: Lighting & Marking - Model Bill

**Follow Up Flag:** Follow up

**Flag Status:** Flagged

Per your earlier conversation with Rep. Ladwig, attached is the model legislation that Rep. Ladwig is looking into. Please let me know if you have any questions.

Sarah Popp  
Office of Rep. Bonnie Ladwig

-----Original Message-----

**From:** HUENEMANN Mark [mailto:mark.huenemann@cnh.com]  
**Sent:** Monday, March 31, 2003 1:07 PM  
**To:** 'rep.ladwig@legis.state.wi.us'  
**Cc:** 'scott.marley@legis.state.wi.us'  
**Subject:** Lighting & Marking - Model Bill

Bonnie,

The model bill we discussed briefly this morning is attached. I took your suggestion and called Cathy Stepp's office and talked with Scott Marley, and am copying him on this message.

The issue is straightforward -- manufacturers tend to follow ASAE standards regarding lighting and marking of agricultural equipment, but state statute requirements vary considerably. The Association of Equipment Manufacturers (AEM) is working to enact in each state uniform standards that align to ASAE standards.

Joel Riemer of AEM has already talked with Representatives Ott and Ainsworth about this, and I believe has sent them copies of the model bill.

We will appreciate whatever action you think appropriate toward getting this enacted in Wisconsin. Thank you!

Regards,

Mark Huenemann  
Director, State Government Affairs  
Case New Holland Inc.  
Phone 262-636-7581  
FAX 262-636-6078

*Meeting at Ladwig's  
office at 1:25*

04/01/2003

## Gary, Aaron

---

**From:** Boardman, Kristina  
**Sent:** Wednesday, June 11, 2003 8:45 AM  
**To:** Gary, Aaron  
**Subject:** RE: Lighting and Marking Model Legislation

Aaron:

Sorry I didn't get back to you yesterday. You are correct in noting that our intention relates only to equipment standards during operation on public highways.

If you have any additional questions - please do not hesitate to ask.

Kristina

-----Original Message-----

**From:** Gary, Aaron  
**Sent:** Tuesday, June 10, 2003 9:36 PM  
**To:** Boardman, Kristina  
**Subject:** FW: Lighting and Marking Model Legislation

Kristina,

I think you can disregard my last message (below). To the extent the model legislation is unclear, I just noticed that the cover letter provided to me (from Joel Riemer) and that was enclosed with the model legislation states, "On behalf of our members I present you with model legislation for the lighting and marking of agricultural equipment *during operation on public roads.*" (emphasis added). So I will assume, unless I hear differently from you, that the scope of the draft is as I thought following the April meeting - lighting requirements for farm tractors, implements of husbandry, etc. *operated on a highway*. Sorry to bother you. Aaron

Aaron R. Gary  
Legislative Attorney  
Legislative Reference Bureau  
608.261.6926 (voice)  
608.264.6948 (fax)  
aaron.gary@legis.state.wi.us

-----Original Message-----

**From:** Gary, Aaron  
**Sent:** Tuesday, June 10, 2003 2:45 PM  
**To:** Boardman, Kristina  
**Subject:** RE: Lighting and Marking Model Legislation

Hi Kristina,

I have begun working on this draft as I have availability among budget work; it appears that this draft will be a time-consuming project, so it will probably be awhile before I finish it. But I would like to clarify something at the outset (which I find ambiguous in the model legislation):

Under existing law, the equipment requirements of ch. 347 only apply to farm tractors, implements of husbandry, self-propelled farm implements, etc., (and all other vehicles) to the extent they are operated on a highway (which is basically any public roadway). So a farm tractor, farm implement, etc. operated only in a field does not fall within the lighting equipment requirements. It is my understanding at the meeting in April that this was the context for the draft, i.e., lighting requirements for farm tractors, implements of husbandry, etc. operated on a highway.

However, I think the model legislation provided could be interpreted to require all farm tractors, implements of husbandry, and self-propelled farm implements (that are manufactured after one year from the effective date) to be equipped as stated, regardless of where they are operated. This is a much broader prohibition and might entail a different structure to the draft, i.e., instead of a limitation on operation, it might require more of a limitation on the purchase and sale of farm tractors, etc., even if they are never to be used on a highway.

Can you confirm that the intent of the draft is the narrower of the two - to prohibit the operation of farm tractors and self-propelled implements etc. on the highways unless the farm tractors or implements comply with the stated

lighting requirements? Thank you. Aaron

Aaron R. Gary  
Legislative Attorney  
Legislative Reference Bureau  
608.261.6926 (voice)  
608.264.6948 (fax)  
aaron.gary@legis.state.wi.us

-----Original Message-----

**From:** Boardman, Kristina  
**Sent:** Wednesday, May 14, 2003 4:14 PM  
**To:** Gary, Aaron  
**Cc:** Rep.Ott; Kalies, Beata; Rep.Ladwig; Hale, Janine; Sen.Stepp  
**Subject:** RE: Lighting and Marking Model Legislation

Aaron:

I have just a couple of additional follow-up suggestions:

- 1) According to AEM, sections 10, 11, 12, 19, 20, and 21 of the model legislation reference existing equipment. While members would like to retain these sections - should they be clarified as applying to existing equipment (equipment manufactured before a specific date)?
- 2) According to AEM, section 26 (2) addresses the situation of a total lighting system failure. Instead of "malfunction of the lamps" - perhaps this language should be clarified to more clearly represent the legislative intent.

If you have any questions - please let me know.

Thank you Aaron.

*Kristina Boardman*  
Representative Ainsworth's Office  
608.266.3097

-----Original Message-----

**From:** Boardman, Kristina  
**Sent:** Tuesday, May 13, 2003 2:37 PM  
**To:** Gary, Aaron  
**Cc:** Rep.Ott; Kalies, Beata; Rep.Ladwig; Hale, Janine; Sen.Stepp  
**Subject:** Lighting and Marking Model Legislation

Aaron:

In early April, you sat down with Representatives Ott, Ainsworth and Ladwig regarding some model legislation forwarded by the Association of Equipment Manufacturers (AEM). This legislation specified lighting and marking of agricultural equipment when operated on highways.

Since this meeting - the legislative working group has received input from Dr. Mark Purschwitz, Associate Professor and Extension Agricultural Safety and Health Specialist. This input was forwarded to AEM - and based on these discussions, we would like to make a few minor technical changes to the draft.

Knowing that you have a copy of the "model legislation", I would like to request the following amendments - based on that original document.

**Section 1 (2)**

Amend the definition of "day-time" to 1/2 hour BEFORE sunrise and 1/2 hour AFTER sunset.  
(Thus consistent with current law.)

Amend the definition of "night-time" to 1/2 hour AFTER sunset and 1/2 hour BEFORE sunrise.  
(Thus consistent with current law.)

"Implement of husbandry" is not defined for the purposes of this section. Provide a cross-reference of 340.01 (24) for the purposes of this section.

**Section (11)**

"When a tractor or self-propelled implement of husbandry is operated ON PUBLIC ROADS during daytime other than when there is insufficient light to render a person clearly discernible on a highway at a distance of 60 m (195ft), it shall"

In addition to inserting the phrase "on public roads", we would like to amend the "60 m (195 ft.) - so that it is consistent with current law.

Under 347.22 (1), "No person shall operate or park a farm tractor or self-propelled farm implement upon a highway during hours of darkness unless such tractor or implement carries the lighted headlamps and tail lamps which would be required of other motor vehicles under similar circumstances." Therefore - in reviewing the specifications for headlamps on motor vehicles under 347.10 (2) - high beams must illuminate 350 feet ahead of the vehicle, while low beams must illuminate 100 feet ahead.

Can we reference 347.10 (2) for the purposes of this section? Or is there a simpler way of approaching this concern?

This distance amendment would also apply to Section 23.

**Section 15 (3) (b)**

"is mounted not more THAN 400 mm (16 in.) from the EXTENDING lateral extremity ..."

**Section 26 (2)**

"...it is accompanied by two escort vehicles that meet the following requirements:"

Eliminate the beacon requirement (c).

**Section 27**

"A tractor or a self-propelled implement of husbandry may be equipped with a beacon OR AMBER STROBE as a supplement to, but not in lieu of lamps otherwise required in this regulation."

Would we need to reference the amber strobe to 347.23 (4)?

If you have any questions regarding these amendments to the original language provided by AEM, please contact me.

Thank you in advance for your assistance on this topic.

*Kristina Boardman*

*Representative Ainsworth's Office*

608.266.3097

Gary, Aaron

---

**From:** Joel Riemer [jriemer@aem.org]  
**Sent:** Tuesday, June 10, 2003 2:55 PM  
**To:** aaron.gary@legis.state.wi.us  
**Cc:** Darrin J. Drollinger  
**Subject:** Statutory Language for IL and OH



Illinois State  
Statute.doc



Ohio Revised  
Code.doc

I have attached what I have from my records regarding the Statutes in Ohio and Illinois for the lighting and marking of agricultural equipment during operation on public roads as it applies to the American Society of Agricultural Engineers (ASAE) S279.12.

If you have any further questions feel free to contact me at AEM. If you have any questions after June 30th contact Darrin Drollinger (AEM) at 414-272-0943.

Sincerely,

Joel Riemer  
AEM  
312-321-1470

<<Illinois State Statute.doc>> <<Ohio Revised Code.doc>>

## **Illinois State Statute**

(625 ILCS 5/12-205.1)

Sec. 12-205.1. Implements of husbandry or slow-moving vehicles-Display of amber signal lamp. Every animal drawn vehicle, farm tractor, implement of husbandry and special mobile equipment, except when used for road construction or maintenance within the limits of a construction or maintenance project where traffic control devices are used in compliance with the applicable provisions of the manual and specifications adopted under Section 11-301 of the Illinois Vehicle Code, when operated on a highway during a time when lighted lamps are required by Section 12-201 of this Chapter, shall display to the rear at least one flashing amber signal lamp mounted as high as practicable and of sufficient intensity to be visible for a distance of at least 500 feet in normal sunlight; provided, that only the rearmost vehicle of a combination of vehicles coupled together need display such lamp. The flashing amber signal lamp may be operated lighted during daylight hours when other lamps are not required to be lighted when vehicles authorized in this Section are operated on a highway. Implements of husbandry manufactured on or after January 1, 2003 and operated on public roads between sunset and sunrise shall display markings and lighting that meet or exceed the design, performance, and mounting specifications adopted by the American Society of Agricultural Engineers and published by that body as ASAE S279.11 APR01.

(625 ILCS 5/12-709)

Sec. 12-709. Slow-moving vehicle emblem.

(a) Every animal drawn vehicle, farm tractor, implement of husbandry and special mobile equipment, when operated on a highway must display a slow-moving vehicle emblem mounted on the rear except as provided in paragraph (b) of this Section. Special mobile equipment is exempt when operated within the limits of a construction or maintenance project where traffic control devices are used in compliance with the applicable provisions of the manual and specifications adopted under Section 11-301 of the "Illinois Vehicle Code".

(b) Every vehicle or unit described in paragraph (a) of this Section when operated in combination on a highway must display a



slow-moving vehicle emblem as follows:

1. Where the towed unit or any load thereon partially or totally obscures the slow-moving vehicle emblem on the towing unit, the towed unit shall be equipped with a slow-moving vehicle emblem. In such cases the towing unit need not display the emblem.

2. Where the slow-moving vehicle emblem on the towing unit is not obscured by the towed unit or its load, then either or both may be equipped with the required emblem but it shall be sufficient if either displays it.

3. A registered truck towed behind a farm tractor in conformity with the provisions of Section 11-1418 of the "Illinois Vehicle Code" must display a slow-moving vehicle emblem in the manner provided in paragraph (c) while being towed on a highway if the emblem on the towing vehicle is partially or totally obscured.

(c) The slow-moving vehicle emblem required by paragraphs (a) and (b) of this Section must meet or exceed the specifications and mounting requirements established by the Department. Such specifications and mounting requirements shall, on and before August 31, 2004, be based on the specifications adopted by the American Society of Agricultural Engineers and published by that body as ASAE S 276.2 dated March, 1968 or as ASAE S 276.5. On and after September 1, 2004, the specifications and mounting requirements shall be based on the specifications adopted by the American Society of Agricultural Engineers and published by that body as ASAE S 276.5 NOV 97. No advertising or other marking shall appear upon the emblem except that specified by the American Society of Agricultural Engineers to identify the standard to which the material complies. Each original package containing a slow-moving vehicle emblem shall display a notice on the outside of the package stating that such emblem shall only be used for the purposes stated in subsections (a) and (b).

(d) A slow-moving vehicle emblem is intended as a safety identification device and shall not be displayed on any vehicle nor displayed in any manner other than as described in paragraphs (a), (b) and (c) of this Section. A violation of this subsection (d) is a petty offense punishable by a fine of \$25 for the first offense and \$75 for a second or subsequent offense within one year of the first offense.

## Ohio Revised Code

**§ 4513.11 Lamps, reflectors and emblems for animal-drawn or slow-moving vehicles. -- RC § 4513.11 is affected by Am. Sub. S.B. 123 (149 v --), effective 1-1-2004. See the 2002 Legislative Bulletin No. 4 for the version effective 1-1-2004.**

(A) All vehicles other than bicycles, including animal-drawn vehicles and vehicles referred to in division (G) of section 4513.02 of the Revised Code, not specifically required to be equipped with lamps or other lighting devices by sections 4513.03 to 4513.10 of the Revised Code, shall, at the times specified in section 4513.03 of the Revised Code, be equipped with at least one lamp displaying a white light visible from a distance of not less than one thousand feet to the front of the vehicle, and also shall be equipped with two lamps displaying red light visible from a distance of not less than one thousand feet to the rear of the vehicle, or as an alternative, one lamp displaying a red light visible from a distance of not less than one thousand feet to the rear and two red reflectors visible from all distances of six hundred feet to one hundred feet to the rear when illuminated by the lawful lower beams of headlamps.

Lamps and reflectors required or authorized by this section shall meet standards adopted by the director of public safety.

(B) All boat trailers, farm machinery, and other machinery, including all road construction machinery, upon a street or highway, except when being used in actual construction and maintenance work in an area guarded by a flagperson, or where flares are used, or when operating or traveling within the limits of a construction area designated by the director of transportation, a city engineer, or the county engineer of the several counties, when such construction area is marked in accordance with requirements of the director and the manual of uniform traffic control devices, as set forth in section 4511.09 of the Revised Code, which is designed for operation at a speed of twenty-five miles per hour or less shall be operated at a speed not exceeding twenty-five miles per hour, and shall display a triangular slow-moving vehicle emblem (SMV). The emblem shall be mounted so as to be visible from a distance of not less than five hundred feet to the rear. The director of public safety shall adopt standards and specifications for the design and position of mounting the SMV emblem. The standards and specifications for SMV emblems referred to in this section shall correlate with and, so far as possible, conform with those approved by the American society of agricultural engineers.

As used in this division, "machinery" does not include any vehicle designed to be drawn by an animal.

(C) The use of the SMV emblem shall be restricted to animal-drawn vehicles, and to the slow-moving vehicles specified in division (B) of this section operating or traveling within the limits of the highway. Its use on slow-moving vehicles being transported upon other types of vehicles or on any other type of vehicle or stationary object on the highway is prohibited.

(D) No person shall sell, lease, rent, or operate any boat trailer, farm machinery, or other machinery defined as a slow-moving vehicle in division (B) of this section, except those units designed to be completely mounted on a primary power unit, which is manufactured or assembled on or after April 1, 1966, unless the vehicle is equipped with a slow-moving vehicle emblem mounting device as specified in division (B) of this section.

(E) Any boat trailer, farm machinery, or other machinery defined as a slow-moving vehicle in division (B) of this section, in addition to the use of the slow-moving vehicle emblem, may be equipped with a red flashing light that shall be visible from a distance of not less than one thousand feet to the rear at all times specified in section 4513.03 of the Revised Code. When a double-faced light is used, it shall display amber light to the front and red light to the rear.

In addition to the lights described in this division, farm machinery and motor vehicles escorting farm machinery may display a flashing, oscillating, or rotating amber light, as permitted by section 4513.17 of the Revised Code, and also may display simultaneously flashing turn signals or warning lights, as permitted by that section.

(F) Every animal-drawn vehicle upon a street or highway shall at all times be equipped in one of the following ways:

- (1) With a slow-moving vehicle emblem complying with division (B) of this section;
- (2) With alternate reflective material complying with rules adopted under this division;
- (3) With both a slow-moving vehicle emblem and alternate reflective material as specified in this division.

The director of public safety, subject to Chapter 119. of the Revised Code, shall adopt rules establishing standards and specifications for the position of mounting of the alternate reflective material authorized by this division. The rules shall permit, as a minimum, the alternate reflective material to be black, gray, or silver in color. The alternate reflective material shall be mounted on the animal-drawn vehicle so as to be visible, at all times specified in section 4513.03 of the Revised Code, from a distance of not less than five hundred feet to the rear when illuminated by the lawful lower beams of headlamps.

(G) As used in this section, "boat trailer" means any vehicle designed and used exclusively to transport a boat between a place of storage and a marina, or in and around a marina, when drawn or towed on a street or highway for a distance of no more than ten miles and at a speed of twenty-five miles per hour or less.

[§ 4513.11.1] § 4513.111 Lights and reflectors for multi-wheel agricultural tractors and farm machinery units. -- RC § 4513.111 is affected by Am. Sub. S.B. 123 (149 v --), effective 1-1-2004. See the 2002 Legislative Bulletin No. 4 for the version effective 1-1-2004.

(A)(1) Every multi-wheel agricultural tractor whose model year was 2001 or earlier, when being operated or traveling on a street or highway at the times specified in section 4513.03 of the Revised Code, at a minimum shall be equipped with and display reflectors and illuminated amber lamps so that the extreme left and right projections of the tractor are indicated by flashing lamps displaying amber light, visible to the front and the rear, by amber reflectors, all visible to the front, and by red reflectors, all visible to the rear.

(2) The lamps displaying amber light need not flash simultaneously and need not flash in conjunction with any directional signals of the tractor.

(3) The lamps and reflectors required by division (A)(1) of this section and their placement shall meet standards and specifications contained in rules adopted by the director of public safety in accordance with Chapter 119. of the Revised Code. The rules governing the amber lamps, amber reflectors, and red reflectors and their placement shall correlate with and, as far as possible, conform with paragraphs 4.1.4.1, 4.1.7.1, and 4.1.7.2 respectively of the American society of agricultural engineers standard ANSI/SAE S279.10 OCT98, lighting and marking of agricultural equipment on highways.

(B) Every unit of farm machinery whose model year was 2002 or later, when being operated or traveling on a street or highway at the times specified in section 4513.03 of the Revised Code, shall be equipped with and display markings and illuminated lamps that meet or exceed the lighting, illumination, and marking standards and specifications that are applicable to that type of farm machinery for the unit's model year specified in the American society of agricultural engineers standard ANSI/SAE S279.10 OCT98, lighting and marking of agricultural equipment on highways.

(C) The lights and reflectors required by division (A) of this section are in addition to the slow-moving vehicle emblem and lights required or permitted by section 4513.11 or 4513.17 of the Revised Code to be displayed on farm machinery being operated or traveling on a street or highway.

(D) No person shall operate any unit of farm machinery on a street or highway or cause any unit of farm machinery to travel on a street or highway in violation of division (A) or (B) of this section.

## Gary, Aaron

---

**From:** Gary, Aaron  
**Sent:** Thursday, June 26, 2003 2:49 PM  
**To:** Redell, Carol  
**Cc:** Boardman, Kristina  
**Subject:** RE: Lighting and Marking Model Legislation

Carol,

I think I figured out the intent of the model legislation. Unless I hear otherwise from you, I will proceed based on the assumption that sections 10, 11, 12, 19, 20, and 21 of the model legislation apply ONLY to existing equipment (that is, equipment manufactured before the effective date of the bill). Thanks. Aaron

Aaron R. Gary  
*Legislative Attorney*  
*Legislative Reference Bureau*  
608.261.6926 (voice)  
608.264.6948 (fax)  
aaron.gary@legis.state.wi.us

-----Original Message-----

**From:** Redell, Carol  
**Sent:** Thursday, June 26, 2003 2:04 PM  
**To:** Gary, Aaron  
**Subject:** RE: Lighting and Marking Model Legislation

I'm afraid I'm not the expert on lighting requirements. So, I've forwarded your questions to John directly and ask that he respond. I'll let you know as soon as I hear from him. Thanks for all your work.

Carol

-----Original Message-----

**From:** Gary, Aaron  
**Sent:** Thursday, June 26, 2003 2:02 PM  
**To:** Redell, Carol  
**Subject:** FW: Lighting and Marking Model Legislation

Hi Carol,

Kristina's e-mail out-of-office assistant referred me to you. Would you be able to get back to me on this before Kristina's return, so that I can keep working on it? Thanks. Aaron

Aaron R. Gary  
*Legislative Attorney*  
*Legislative Reference Bureau*  
608.261.6926 (voice)  
608.264.6948 (fax)  
aaron.gary@legis.state.wi.us

-----Original Message-----

**From:** Gary, Aaron  
**Sent:** Thursday, June 26, 2003 2:00 PM  
**To:** Boardman, Kristina  
**Cc:** Rep.Ott; Kalies, Beata; Rep.Ladwig; Hale, Janine; Sen.Stepp  
**Subject:** RE: Lighting and Marking Model Legislation

Hi Kristina,

I'm continuing to plug away at this - it's quite a maze fitting the provisions of the model legislation together and trying to mesh them with existing statutes. With regard to item 1) of your e-mail immediately below, do these sections apply to existing equipment ONLY? Or do they (unlike many of the other provisions of the model legislation) apply to both existing equipment AND equipment manufactured after 1 year from the bill's effective date?

If it is the latter (which I had assumed), I am having a hard time reconciling the requirement of 2 tail

lamps mounted symmetrically under section 5(1) with the language of section 12(b) that one tail lamp mounted left of center would be OK.

Thanks for any guidance you can provide. Aaron

Aaron R. Gary  
Legislative Attorney  
Legislative Reference Bureau  
608.261.6926 (voice)  
608.264.6948 (fax)  
aaron.gary@legis.state.wi.us

-----Original Message-----

**From:** Boardman, Kristina  
**Sent:** Wednesday, May 14, 2003 4:14 PM  
**To:** Gary, Aaron  
**Cc:** Rep.Ott; Kalies, Beata; Rep.Ladwig; Hale, Janine; Sen.Stepp  
**Subject:** RE: Lighting and Marking Model Legislation

Aaron:

I have just a couple of additional follow-up suggestions:

- 1) According to AEM, sections 10, 11, 12, 19, 20, and 21 of the model legislation reference existing equipment. While members would like to retain these sections - should they be clarified as applying to existing equipment (equipment manufactured before a specific date)?
- 2) According to AEM, section 26 (2) addresses the situation of a total lighting system failure. Instead of "malfunction of the lamps" - perhaps this language should be clarified to more clearly represent the legislative intent.

If you have any questions - please let me know.

Thank you Aaron.

*Kristina Boardman*  
Representative Ainsworth's Office  
608.266.3097

-----Original Message-----

**From:** Boardman, Kristina  
**Sent:** Tuesday, May 13, 2003 2:37 PM  
**To:** Gary, Aaron  
**Cc:** Rep.Ott; Kalies, Beata; Rep.Ladwig; Hale, Janine; Sen.Stepp  
**Subject:** Lighting and Marking Model Legislation

Aaron:

In early April, you sat down with Representatives Ott, Ainsworth and Ladwig regarding some model legislation forwarded by the Association of Equipment Manufacturers (AEM). This legislation specified lighting and marking of agricultural equipment when operated on highways.

Since this meeting - the legislative working group has received input from Dr. Mark Purschwitz,



Associate Professor and Extension Agricultural Safety and Health Specialist. This input was forwarded to AEM - and based on these discussions, we would like to make a few minor technical changes to the draft.

Knowing that you have a copy of the "model legislation", I would like to request the following amendments - based on that original document.

**Section 1 (2)**

Amend the definition of "day-time" to 1/2 hour BEFORE sunrise and 1/2 hour AFTER sunset. (Thus consistent with current law.)

Amend the definition of "night-time" to 1/2 hour AFTER sunset and 1/2 hour BEFORE sunrise. (Thus consistent with current law.)

"Implement of husbandry" is not defined for the purposes of this section. Provide a cross-reference of 340.01 (24) for the purposes of this section.

**Section (11)**

"When a tractor or self-propelled implement of husbandry is operated ON PUBLIC ROADS during daytime other than when there is insufficient light to render a person clearly discernible on a highway at a distance of 60 m (195ft), it shall"

In addition to inserting the phrase "on public roads", we would like to amend the "60 m (195 ft.) - so that it is consistent with current law.

Under 347.22 (1), "No person shall operate or park a farm tractor or self-propelled farm implement upon a highway during hours of darkness unless such tractor or implement carries the lighted headlamps and tail lamps which would be required of other motor vehicles under similar circumstances." Therefore - in reviewing the specifications for headlamps on motor vehicles under 347.10 (2) - high beams must illuminate 350 feet ahead of the vehicle, while low beams must illuminate 100 feet ahead.

Can we reference 347.10 (2) for the purposes of this section? Or is there a simpler way of approaching this concern?

This distance amendment would also apply to Section 23.

**Section 15 (3) (b)**

"is mounted not more THAN 400 mm (16 in.) from the EXTENDING lateral extremity ..."

**Section 26 (2)**

"...it is accompanied by two escort vehicles that meet the following requirements:"

Eliminate the beacon requirement (c).

**Section 27**

"A tractor or a self-propelled implement of husbandry may be equipped with a beacon OR AMBER STROBE as a supplement to, but not in lieu of lamps otherwise required in this regulation."

Would we need to reference the amber strobe to 347.23 (4)?

If you have any questions regarding these amendments to the original language provided by AEM, please contact me.

Thank you in advance for your assistance on this topic.

*Kristina Boardman*

*Representative Ainsworth's Office*

608.266.3097

## Gary, Aaron

---

**From:** Kalies, Beata  
**Sent:** Thursday, June 26, 2003 3:01 PM  
**To:** Gary, Aaron; Boardman, Kristina; Redell, Carol  
**Cc:** Rep.Ott; Rep.Ladwig; Hale, Janine; Sen.Stepp  
**Subject:** RE: Lighting and Marking Model Legislation

**Importance:** High

Hi Gary,  
Kristina is on vacation, in the meantime, I will attempt to shed some light on this and she can do a follow up with you upon her return.

It is my understanding that the model legislation language provided by AEM is meant to apply for new equipment. But the sections 10, 11,12,19,20 and 21 apply to existing equipment and were left in to allow for retrofitting old equipment. Some states using this document to draft legislation have chose to omit these sections altogether.

Since a lot of equipment on Wisconsin farms is quite old, having the ability to retrofit to make the equipment both safer and comply with new regulation made sense. So I believe we would like to keep the language suggested in sections 10,11,12,19. 20 and 21 but want to clarify it somehow that those regulations would apply to existing equipment only.

So 2 tail lamps would apply to newly manufactured equipment (section 5(1)) or in other words manufactured after bill's effective date.

But at least 1 tail lamp would be acceptable on existing equipment (section 12(b)) or equipment manufactured before the bill.

Does this help? John and/ or Kristina is this your take too?

Beata

-----Original Message-----

**From:** Gary, Aaron  
**Sent:** Thursday, June 26, 2003 2:00 PM  
**To:** Boardman, Kristina  
**Cc:** Rep.Ott; Kalies, Beata; Rep.Ladwig; Hale, Janine; Sen.Stepp  
**Subject:** RE: Lighting and Marking Model Legislation

Hi Kristina,

I'm continuing to plug away at this - it's quite a maze fitting the provisions of the model legislation together and trying to mesh them with existing statutes. With regard to item 1) of your e-mail immediately below, do these sections apply to existing equipment ONLY? Or do they (unlike many of the other provisions of the model legislation) apply to both existing equipment AND equipment manufactured after 1 year from the bill's effective date?

If it is the latter (which I had assumed), I am having a hard time reconciling the requirement of 2 tail lamps mounted symmetrically under section 5(1) with the language of section 12(b) that one tail lamp mounted left of center would be OK.

Thanks for any guidance you can provide. Aaron

Aaron R. Gary  
*Legislative Attorney*  
*Legislative Reference Bureau*  
608.261.6926 (voice)  
608.264.6948 (fax)  
aaron.gary@legis.state.wi.us

-----Original Message-----

**From:** Boardman, Kristina  
**Sent:** Wednesday, May 14, 2003 4:14 PM

**To:** Gary, Aaron  
**Cc:** Rep.Ott; Kalies, Beata; Rep.Ladwig; Hale, Janine; Sen.Stepp  
**Subject:** RE: Lighting and Marking Model Legislation

Aaron:

I have just a couple of additional follow-up suggestions:

- 1) According to AEM, sections 10, 11, 12, 19, 20, and 21 of the model legislation reference existing equipment. While members would like to retain these sections - should they be clarified as applying to existing equipment (equipment manufactured before a specific date)?
- 2) According to AEM, section 26 (2) addresses the situation of a total lighting system failure. Instead of "malfunction of the lamps" - perhaps this language should be clarified to more clearly represent the legislative intent.

If you have any questions - please let me know.

Thank you Aaron.

*Kristina Boardman*  
*Representative Ainsworth's Office*  
608.266.3097

-----Original Message-----

**From:** Boardman, Kristina  
**Sent:** Tuesday, May 13, 2003 2:37 PM  
**To:** Gary, Aaron  
**Cc:** Rep.Ott; Kalies, Beata; Rep.Ladwig; Hale, Janine; Sen.Stepp  
**Subject:** Lighting and Marking Model Legislation

Aaron:

In early April, you sat down with Representatives Ott, Ainsworth and Ladwig regarding some model legislation forwarded by the Association of Equipment Manufacturers (AEM). This legislation specified lighting and marking of agricultural equipment when operated on highways.

Since this meeting - the legislative working group has received input from Dr. Mark Purschwitz, Associate Professor and Extension Agricultural Safety and Health Specialist. This input was forwarded to AEM - and based on these discussions, we would like to make a few minor technical changes to the draft.

Knowing that you have a copy of the "model legislation", I would like to request the following amendments - based on that original document.

**Section 1 (2)**

Amend the definition of "day-time" to 1/2 hour BEFORE sunrise and 1/2 hour AFTER sunset.  
(Thus consistent with current law.)

Amend the definition of "night-time" to 1/2 hour AFTER sunset and 1/2 hour BEFORE sunrise.  
(Thus consistent with current law.)

"Implement of husbandry" is not defined for the purposes of this section. Provide a cross-reference of 340.01 (24) for the purposes of this section.

**Section (11)**

"When a tractor or self-propelled implement of husbandry is operated ON PUBLIC ROADS during daytime other than when there is insufficient light to render a person clearly discernible on a highway at a distance of 60 m (195ft), it shall"

In addition to inserting the phrase "on public roads", we would like to amend the "60 m (195 ft.) - so that it is consistent with current law.

Under 347.22 (1), "No person shall operate or park a farm tractor or self-propelled farm implement upon a highway during hours of darkness unless such tractor or implement carries the lighted headlamps and tail lamps which would be required of other motor vehicles under similar circumstances." Therefore - in reviewing the specifications for headlamps on motor vehicles under 347.10 (2) - high beams must illuminate 350 feet ahead of the vehicle, while low beams must illuminate 100 feet ahead.

Can we reference 347.10 (2) for the purposes of this section? Or is there a simpler way of approaching this concern?

This distance amendment would also apply to Section 23.

**Section 15 (3) (b)**

"is mounted not more THAN 400 mm (16 in.) from the EXTENDING lateral extremity ..."

**Section 26 (2)**

"...it is accompanied by two escort vehicles that meet the following requirements:"

Eliminate the beacon requirement (c).

**Section 27**

"A tractor or a self-propelled implement of husbandry may be equipped with a beacon OR AMBER STROBE as a supplement to, but not in lieu of lamps otherwise required in this regulation."

Would we need to reference the amber strobe to 347.23 (4)?

If you have any questions regarding these amendments to the original language provided by AEM, please contact me.

Thank you in advance for your assistance on this topic.

*Kristina Boardman*

*Representative Ainsworth's Office*

608.266.3097